App. F. IX-4

1927-28 Geol

File No. 70-27

Previous References

Geol 166-25(1+2)

Serial Nos. 146

Later References

Geol. 64-28 (1-2)
" 31-28 (2-6)
" 46-29 (1-8)

preserve

(32)

General and Revenue Secretariat.

Geol 10-34 (1-A, 1A, 19)

Serial Nos. Lit

Part B for June 1928.

SUBJECT

Memorial of Mr V. T. Venugopal praying for a Substantive place in the Geological Depts & deputation to foreign Countries & receive training in Municipal.

8(6)

To The Director of Geology
No D 13132 of 16/6/28

Request him to keep the request of Mr T. Venugopal in view when there is a vacancy

M. Mahadevan
7/7/28

G. R S. 11] 1912 7 — 8

GENERAL AND REVENUE SECRETARIAT.

(Geol)

NOTES.

Geol File No. 70-27

FILE HEADING.

Memorial of Mr. V. T. Gopa Venugopal, praying for a substantive place in the Geological Dept. & a deputation to foreign countries to receive training in Mineralogy

From

The Secy Bd of Management, Industries

No. 612/27 Dated 24-11-27 Received 26/11/27

Diary No. 4569 Enclos. 2 Spare Copies. Serial No. 1

BRIEF ABSTRACT OF LETTER.

forwards a memorial from Mr. V. T. Venugopal.

NOTES AND ORDERS.

Secy's note:-

1) I am afraid that there is no D.D. scholarship available for him. May this be sent to the Dir of Geology for opinion?

(Sd) N. R
26/11/27

NOTES—First Sheet. 2nd Member

2) Seen

(Sd) M.M.K
29/11/27

(Sd) N.R
29/11/27

General and Revenue Secretariat. Gen. File No. 70 of 1927.

Serial No.	
1)	Draft dated 29.11.27
2	To the Dir. of Geol No D. 6121 dt 10.12.27 forwards the memorial for opinion from Mr. V. T. Venugopal ~~asking for an enquiry into his~~
3	Memorial to the Secretary dated 12-1-1928 from Mr V T Venugopal Prays for a substantive place in the Geol. Dept & deputation to foreign countries for mining training
	4) Mr. Venugopal was posted for duty in the Irrigation Works under G. O. No D. C. 1574-7/Genl. 24-26-8 dt 3-9-24
	5) In June 1926 he applied for a permanent post in the Mines Dept. When the Chief Inspr of Mines was consulted he said that Mr. Venugopal does not suit for work in the Dept. (Genl. 1577-25-4) and he was therefore informed (Letter to the Secy. Bd. of Management, I. W) that there was

GEN. & REV. SECRETARIAT. DEVELOPMENT BRANCH 12 DEC 1927

NOTE—Contn. sheet.

WD 0321—GPB—60,000—24-5-27

4569
5-8-27

B

App. F. III—2]

General and Revenue Secretariat. File No. 70 of 1927.

Serial No.

B — no place for Geol. in the Dept. of Mines & Explosives. (Geol. 157-25-5)

D — 9) Dir. subsequent memorials pressing for a Geol. in the Geol. Dept. were not also forwarded (vide letter no. D.C. 834/ Geol. 146-25-2 dt 3-8-26, and the Govt. Members minute - para 29 - page 11).

C — 8) the present representation dt 24 11 27 requesting for a deputation to the foreign Countries for training in mining & Metallurgy ~~forwarded~~ and also for a ~~—~~ subordinate post in the Geol. Dept. has been forwarded to the Dir. for opinion

Geol. 70-27-2

9) for orders.

22/11/28 The Dirs report may be awaited.

Sec'y D)

21/11/28

GEN. & REV. SECRETARIAT
27 JAN 1928
DEVELOPMENT

NOTE—Contn. sheet.

WD 0321—GPB—60,000—24-5-27

3 5627 7752

App. F. III—2]

General and Revenue Secretariat. Geol File No. 90 of 192

Serial No. 4

The Dr. of Geol.

No. 2601-1 dy 9 3-28.

States that Mr. Venugopal's name has been dropped out in the Geological dept. last April 1926, & that he is to have a lien in his dept, until he is permanently transferred, and that a provision has to be made in the dept. budget (if the petitioner is to be transferred to Geol. dept. The Dr. recommends his confirmation as Sub. Asst. Geologist, and to retain the services of the petitioner in the H.I.W., and proposes to recruit several B.Sc. graduates, whose total emoluments come to the Salary of the Asst. Geologist ie Rs 250/- p.m.

He further states that a chance may be given to Mr Venugopal in foreign Countries may be given if the management of the H.I.W. will utilize his services on return after the Specialization in subjects they liked him to specialize in, and returns the Memorial.

(1) Submitted for perusal and Orders. Vide para 10 Supra

Dlb 14/3. VS

(2) (1) The Dir of Geology recommends that Mr V.T. Venugopal be shown as (Supernumerary) Sub Asst Geol on Rs 250/ in the Geol Dept and that the Dept may be permitted to employ B.Sc. (Geol) graduates within the limit

NOTE—Contn. sheet.

WD 0324—GPB—60,000—24-5-27

General and Revenue Secretariat. | File No. | of 192

Serial No.

This question does not arise

of the savings available on a/c of Mr Venugopal being employed temporarily in the Iron Works.

13) - ii) Regarding his deputation to foreign countries, he is not in favour of it, so far as the subjects relating to the Geol. Dept (mentioned by him) are concerned. Of course, he has no objection if the Bd of Management, Iron Wks should think it desirable to send him on deputation

14). Kind refr is invited to the discussion in the Conf 146-25 Geol 1&2 placed below, where the question of treating Messrs V.T. Venugopal & E.P Thirumalachar as Supernumerary Officers in the Geol. Dept was considered.

Especially Paras 26 to 30. (Flag C.)

Sect D)

Vol 3.

15) The recommendation of the Dir of Geo that Mr Venugopal shd be given a hen in the Geo. Dept until he is permanently provided for elsewhere, seems to be fair. He may perhaps be assured that he has such a hen though in view of his holding an employment in the

NOTE—Contn. sheet.

App. F. III—2]

General and Revenue Secretariat. File No. 70 of 192 .

Serial No.

from works if is considered necessary to show him as supernumerary in the Geo Dept.

16) The question of his deputation for foreign training may be transferred to the Geo Works Section for disposal

19 4 28

2d Member Accts Dept

19/4

16) 16079 27.4 28

17) A. is primarily an audit matter and the Comptroller's opinion may be obtained in the first instance

3074/28

18) The circs in which his name was omitted in the Civil list under Geological Dept may be ascertained from the Comptr

3,5,28

19) Forwarded, with compliments, to the Comptroller & Govt for favour of a note

H Ramachandra Rao
Secy & Govt.

5-28

EARLY.

3/5

COMPTROLLER'S OFFICE BANGALORE

NOTE—Contn. sheet.

App. F. III—2]

General and Revenue Secretariat. File No. 70 of 1927.

Serial No.

U.O.No.644 GAD dated 9th May 1928. Q/one file

i) Returned with compliments. Kind reference is invited to my un-Official reply No.11 GAD dated 6th July 1926 explaining the circumstance under which the name of Mr. V. T. Venugopal was omitted from the Civil List and requesting further instructions in the matter.

U.O.No. 384 dt. 10 5/284 S/se

ii) In subsequent order of Government, (Vide copy of letter No.I.C.834/Geol.146-28-2 dated 3rd August 1926 from the Secretary to Government Revenue Department to the Director of Geology) it was ordered that Mr. V. T. Venugopal may be considered as supernumerary in the Geological Department and that it was unnecessary to show as such in the Civil List so long as he holds other appointment officiating or temporary. As Mr. Venugopal continues to hold a temporary appointment in the Mysore Iron Mines, his name has been omitted in the Civil List.

G. V. Narayana Reddy
For Comptroller.

9139.5

GEN. & REV. SECRETARIAT'S DEVELOPMENT BRANCH 12 MAY 1928

iii) Please put up the U.O. communication referred to in the 1st para of Comptr's note.

11-5-28

MSR

NOTE—Contn. sheet.

WD 0321--GPB-60,000-24-5-27

7.7.28

App. F. III-21

General and Revenue Secretariat.

Geol. File No. 70 of 1927.

Serial No.

Encl. 146-25 p.10 of 1927

23) The U.O. Communication referred to in 1st para of The Comptroller's letter is put up.

24) Kind attention is invited to para 22 page 9 of Geol 146-25-Sts 1-2

SecM D) 26/5

26/5

25) Submitted with regard to Members' remarks para 18, above.

2d Member) 31.5.28

31/5

26) Mr. Gopal has to be given a place in the Geological Dept that place for the present is only that of a Supernumerary Officer. He is provided with an appointment temporarily at Bhadravati it is not necessary to show his name for the present in the Geological Dept But the exact position where has to be defined Kind I think he may be informed that he is a Supernumerary Sub Asst Geologist and that the question of treating him as a permanent officer of the Dept will be considered when there is a Vacancy. The Dir has to be told to keep

1 JUNE 1928 No. 9014

NOTE—Contn. Sheet.

App. F. III—2]

General and Revenue Secretariat.

Genl File No. 10 of 192

Serial No.

This point in View in working
recommendations for filling up
the first Vacancy that occurs next.
2/ As regards Mr V's
request for a foreign Scholarship
I agree with the Dir and the
representation may be considered
by the Dept dealing with
Overseas Scholarships

me
1-6-28
1/6/28
MG
2/6

NOTE—Contn. Sheet.

WD 01714—GPS—50,000—18-4-251

7754

App. F. III—2]

General and Revenue Secretariat. | Genl File No. 70 of 1927.

Serial No.

2) Two drafts are put up for consideration

2) the question of granting Mr Venugopal a DD. scholarship as has to be worked up in the Edn. Section. This will be referred to that Section of approved, pertaining needful action. Refer para 2 above

Yes. when D.D. are Scholarships awarded next (year?)

WP 6/6

3) Dfts for appl Genl D) WP 6/6

6/6

3) Issue

11 6 28

WP 11/6

5 No. D. 13137 of 16.6.28

Secy. Deccan Works.

states that Mr. Venugopal may be informed that he is a supernumerary D. of S. in the Genl. & that the question of treating him as a permanent officer there will be considered

6 No. D. 13132 of 16.6.28

Dir of Genl

Requests him to keep the request of Mr. Venugopal in view when there is a vacancy.

3) Please refer to the orders of the DSB.

NOTE—Contn. Sheet.

WD 01714—GPB—30,000—18-4-28

7754

App. F. III—2]

General and Revenue Secretariat. Edn. File No. 70 of 1927.

Serial No.

Secy. in the margin of page 10

Edn. Secy.)

33) The question of awarding the Scholarships for 1928-29 has not been taken up yet. ~~Should~~ If approved this matter will be considered when the question is taken up for consideration next year. (Jul'28)

28/6. 33) Yes.-

WD

29/6

GEN. & REV. SECRETARIAT. 30 JUNE 1928 DEVELOPMENT BRANCH.

NOTE—Contn. Sheet.

WD 01714—GPB—30,000—18-4-28

Ecol. 70-27-1

THE MYSORE IRON WORKS

COUNCIL
26 NOV. 1927
No. 2945

Telegraphic Address:
"MYSIRON," BHADRAVATI
(MYSORE RYS.)
Codes:
BENTLEYS
Western Union Five Letter
A. B. C. 6th Edition

Bhadravati (India)

Ref. No. B. 6/2/27. 24th November 1927

GEN. & REV. SECRETARIAT
24569
26 NOV. 1927
DEVELOPMENT BRANCH.

The Chief Secretary to the Government
of His Highness the Maharaja of Mysore,
Bangalore.

Dear Sir,

I am directed to forward herewith for favourable consideration a representation by Mr. V.T. Venugopal, Mining Superintendent, requesting that he may be given a substantive place in the Geological Department and seconded in the departmental list during the period of his employment on the Iron Works. and that he may be deputed for training in foreign countries in improved methods of mining, haulage and transport and other useful subjects in which he is interesting himself.

The representation was considered by the Board of Management and the following resolution was passed at the meeting held on the 27th October 1927.

> "The Board recommend that Government may be pleased to award one of the "Damodardas Foreign Scholarship" this year to Mr. V.T. Venugopal for Europe and America to study mining and metallurgy.
> "He has done very well as a mining expert on the works."

I am to add that Mr. Venugopal has shown special aptitude for mining work and has done some original work in the way of discovering new ores and reducing mining costs.

Yours faithfully,

SECRETARY
BOARD OF MANAGEMENT.

A. [illegible] F. VI. G1]

SUBJECT.....

.....

.....

Section Educ

File No. 70-27

Serial No. 2

No. D. 6121 encls. 2

Diary No. of letter replied to 4569

General and Revenue Secretariat

( )

the *192*

To The Dep. of Educ

Sir

Date of issue 10/12/27

Signed by Mr. V. V. Chavya

+ To be obliged if returned

In forwarding herewith a memorial dt 23-10-27 from one V. T. Venugopal Nambiar Retd Asst Works praying for a substantive post in the Educ Dept and deputation for training in foreign countries in improved methods of Nursery Hus I am directed to request

List of enclosures.....

Copied by .....

Examined by .....

over

For the Supreme Court. with
Every expression in the matter

I have the

22.

Encl. 70-27-3

V.T.Venugopal, B.A.,

Personal

Bhadravati.
12th January 1928

Dewsecy (with compts) Secl. 13/1/28 13/1/28 13/1

OFFICE OF THE SECOND MEMBER
13 JAN. 1928
No. M. 309

Rajakaryaprasakta Dewan Bahadur
M.N.Krishna Rau, Esq., B.A.,
Second Member to the Council of the Government of
His Highness the Maharaja of Mysore,
Bangalore

GEN. & REV. SECRETARIAT
D. 5827
16 JAN. 1928
DEVELOPMENT BRANCH.

Dear Sir,

As I was away at Kemmangundi I was not able to wait on you again before you left Bhadravati. I hope my deputation to foreign countries will be sympathetically considered by the Government. I have personally explained to you some of the problems on which I am working in addition to those that I have mentioned in my representation to the Government.

2) Sometime ago, I applied to Government for my substantive post being considered in the vacancy consequent upon Mr Beckwith's retirement in the Mines Department. Government replied that I had no place in the Mines Department. It is true that I was confirmed in the Geological Department and put in 8 years' service in that Department but I also put in 1 year of probationary period in the Mines Department and at the time I joined there were no two separate departments and both were under the same administrative control. For the last three years I been the administrative and a technicalhead of the Mining Department at the Iron Works. and. If the Government will kindly give me the opportunities of going abroad and studying the more advanced mines in America and the Government control practised in other countries I may have better equipment and experience administrative and technical to do the development work that I have proposed to do in the Iron Works and later on perhaps to aspire to serve the Government as an officer of the Department of Mines next to Mr. Suryanarayana Rau should the Government deem me a fit candidate for any high post in that Department. This is of course a matter that is left to the choice of the Government. I would suggest Indians being given a chance in the higher posts which have been held by Europeans so far. Whatever I have been able to do in the Iron Works by way of reduction of costs is also of benefit to the State as a whole and I have no doubt that whatever I may be able to do further will also be of use to the Mysore Iron Works and to the State and I am rather anxious to bring to practical use some of the ideas and knowledge that I have gained during 8 years of touring work that I did in the Geological Department

3) I was made supernumerary on account of the exigencies of retrenchment in the Geological Department in 1922, and if there is no other way at present I should at least continue as such and shown in the Civil List as On Other Duty. The absence of my name in the Civil List has led to the difficulty of drawing increments according to the grade and the stoppage of pension contribution from the Iron Works.

4) I was confirmed in 1918 and have put in 8 years of service earning furlough and pension, etc for the period in the Geological Department. Of course I have no dislike to work in the Iron Works as there is good scope for useful work. A kind perusal of my representation will show you the work I have already done and the development work that I am investigating and propose to do in the near future.

5) As regards the titaniferous magnetite of which I spoke to you I have already mined and brought it to the Works. The experiment is going to be tried very soon. The occurrence of vanadium is also being investigated by me & in course of time. I shall be able to develop this more in detail.

6) I thank you for your kind words during your visit here and hope to be excused for the trespass upon your time.

With regards,

I remain,
Yours obediently,

U. N. Ramgopal

Geol 70-27-4 1

M.G.D. 12.] Dated, Bangalore, 5-3-1928

No. 2401-1 Enc. 1

Geol. 70-27-4

FROM

P. SAMPAT IYENGAR, ESQ,. M.A.,
Director, Mysore Geological Department.

To 12 3 28

N. Rama Rao, Esq., B.A., P.L.,
Secretary to the Government of His
Highness the Maharaja of Mysore,
Development Departments.

SIR,

With reference to your letter No. D. 6121/Geol. 70-27-2 Dated 10th December 1927, forwarding the Memorial of Mr. V.T. Venugopal, B.A., Mining Superintendent, Iron Works, for my - opinion, I have the honour first of all to invite your kind - attention to para 2 of Government Order No. I.C. 1574-7/Geol. 29-24-8, dated 3rd September 1924, which states that at the - time of posting for duty under the Mysore Iron Works, Mr. V.T. Venugopal was Supernumerary Sub Assistant Geologist. Nowhere in the official records, I could make out that his services in the Geological Department were dispensed with subsequently. He may be Supernumerary but I believe a Supernumerary Officer is kept on, provided for in the Departmental Budget and shown - also in the Civil List until his appointment is actually - abolished by a Government Order. It is unaccountable why his name was dropped out altogether in the Geological Departmental List after 1924. In all fairness it must be said Mr. V.T. - Venugopal has a lien in this Department until he is permanently transferred to the Mysore Iron Works or elsewhere.

A

2 In the Budget of this Department no provision has been made for him this year also (1928-29). If the Government - desire to transfer him back to the Department as Sub-Assistant Geologist on Rs.250/-, a provision will have to be made and I - can find work for him since there are areas of Manganese, Corundum, Mica etc., requiring investigation and development.

3 From the Memorial it can be made out that he is doing good work for the Mysore Iron Work. It would be a pity to

to disturb him now and so I would recommend his being retained there and seconded after confirming him in this Department as - Sub-Assistant Geologist. In the vacancy thus created, I would suggest the recruitment of two or three promising B.Sc graduates in Geology, temporarily, to carry on prospecting work at different places in the State and also to get through the increasing - laboratory and other scientific work of the Department. Now for want of hands these are not properly attended to. Therefore, instead of a single Officer drawing a high salary of R.250/-, I - would prefer to have temporarily several junior men whose total emoluments come to the same figure.

4. Moreover, such appointments will also give an opportunity and encouragement for the Geology graduates of the Central College to do post graduate and research work in the line. Otherwise - they are likely to turn their attention to other avocations unsuited to their training they have received so far and thus frustrate the object of the linking up of the Department and the University. Further such trained graduates will also come in handy to fill up permanent vacancies in the Department, which are sure to occur in the near future when the several very nearly superannuated Officers retire.

5. On the question of Mr. V.T. Venugopal's deputation to study in foreign Countries, a chance may be given to him if the Management of the Mysore Iron Works desire to utilize his services on - return after a study of the subject or subjects they would like - him to specialize in. But as far as this Department is concerned there are only 3 subjects in the list given - (7), (9) & (10) - which are in a way indirectly related to the work of the Department and I do not think a deputation to foreign Countries to study those subjects is necessary.

6. The Memorial of Mr. V.T. Venugopal, B.A., is returned herewith.

I have the honour to be,
Sir,
Your most obedient servant,

Director,
Mysore Geological Department

M.R.

The Chief Secretary to the
Government of Mysore,
Bangalore.

GEN. & REV. SECRETARIAT.
29 NOV. 1927
DEVELOPMENT BRANCH.

Through

The Board of Management,
Mysore Iron Works,
Bhadravati.

Respected Sir,

I beg your leave to place before you the following representation regarding my substantive post in the Geological Department and deputation to foreign countries for the study of problems connected with the Mysore Iron Works.

The history of my service is as follows:-

Station	Substantive appointment	Date	Probationary and offg. appointment.	Date
Bangalore.	..	..	Probationer, Dept. of Mines & Geology.	20 Dec. 1915
Kolar Gold Fields.	..	..	Do	11 July 1916
Bangalore.	.	..	Do.	1 June 1917
Do.	Sub-Asst.Geologist.	23-12-17		
Do.	Do (Reorganized	1-7-19	Asst.Geologist	9-11-1921
Do.	...	..	Sub Asst. Geologist (Supernumerary).	9-8-1922

Privilege-leave of 3 months and 14 days from 2nd January 1924

Posted for duty in the Mysore Iron Works, Bhadravati, from 5th October 1924.

In the retrenchment scheme of 1922 in the Geological Department Mr. Sen, myself and Mr. Tirumalachar, Assistant Chemist became Supernumerary Officers. Mr. Sen and Mr. Tirumalachar have now got substantive appointments while I still continue to be a Supernumerary.

In the recent re-organization of the Geological Department no provision has been made for me and unless Mr. B. N. Venkataramiah, Assistant Geologist, who is now designated Superintendent, Byrapur Chrome Mines, is entirely borne on the scheme or until his retirement there is no place for me except as a Supernumerary as there is only one post as Sub Assistant Geologist and the present incumbent is Mr. B. Rama Rao. My work in the Geological Department is briefly indicated in a representation I made to the Dewan of Mysore in 1922, a copy of which is herein enclosed.

Since transferred to the Iron Works, I have done very useful work and the following paras briefly indicate the nature and value of the work.

(1) Opening up of the Gangur quarries which has resulted in savings both in working costs and charcoal consumption. When dolomite was being used the average of the charcoal proportion per day was 1.159. From December 1924 when the high calcium was introduced to May 1927 the average per day is 0.925 or a saving of 0.234 per day or about 10 tons of charcoal a day or roughly about ₹350 a day, for an average production of 50 tons of pig iron. The limestone is costing about ₹3-8-0 per ton against ₹6/- per ton of dolomite or a saving of ₹6,000 to ₹7,000 per annum.

(2) The Kondly limestone which has been introduced for use in the Still House is a better material besides being within the State and has displaced Dronachalam limestone. The savings on this account is about ₹1,500 to ₹2,000 per month.

(3) The Chatanhalli ore costs ₹6-8-0 at Shimoga deducting ₹2-10-0 the Railway freight from the mine the total cost is ₹ 4-6-0 at the mine. The Kemmangundi iron ore has

been worked at R2-5-0 and R2-4-0 at mine + 10 for ropeway during the first two seasons and at a total cost of R2-9-0 including the Ropeways during the last season.

(4) I am now trying to open a titaniferous iron ore deposit close to Bhadravati and this will reduce costs very considerably.

I am willing to work in the Iron Works as long as the Management wish to keep me but I beg to request that it may be specifically ordered that I am entitled for the grade promotions and privileges of furlough and pension rules. I was drawing a salary of R200 in grade 125-25/2-250 at the time I joined the Works and drew one increment in December 1925 after coming to the Works and my next increment is due in December 1927 when I reach the maximum after 12 years of service. The Works gave me an allowance of R100 + F.T.A.R100. I prayed for an increase of allowance in view of the work I had done and I believe an increase of R50 was recommended in November 1925 but owing to some reason or other this has not yet been given effect to. I have again approached the Management to consider my case sympathetically and hope they will make suitable recommendations in the matter of my allowance.

My pension contribution has been paid till January 1927 from the Works as I have been regarded as a Government servant on other duty but from February 1927 this has not been paid. As I fear that this will lead to complications and troubles in the future I beg to request that my pension contribution may be ordered to be levied in the same way as applicable to other Government servants doing duty at the Works.

On the occasion of the retirement of Mr. Beckwith in the Department of Mines and Explosives I applied for the

post of an Assistant Inspector of Mines on grade 300-50-450 but I got a reply that there was no place for me in the Department of Mines. Probably the Chief Inspector of Mines was not in favour of having an officer in the Department who was not available for actual work and who merely wanted a place in the Department. I humbly beg to represent to the Government that at the time I joined service there were no separate Departments for Mines and Geology and both were one Department and under Dr. Smeeth and that I served 1 year as probationer in the Mines Department and 1 year in the Geological Department and the mere fact that I happened to be confirmed in the Geological Department need not be considered as a bar and that my work since coming to the Iron Works has been on the mining side and that Government may kindly consider my claim and qualifications in any suitable vacancy that may occur in the future although at present I am kept fully busy in the Mysore IronWorks as Mining Superintendent.

I wish to go deputation to foreign countries to study the following subjects:-

(1) The different system of mining as practised in the Lake Superior Iron Mines of America.

(2) The use of Mechanical power for drilling work. Comparative merits of electric and air compressor drills and efficiency of various machinery actually in practice elsewhere and with relation to our needs at the Mysore Iron Works.

(3) The use of excavators and other mechanical appliances, actual performances of the machines to be seen and studied as how far they will be suitable to our conditions.

(4) Mechanical transport and haulage on the mine such as the use of travelling ropes, conveyers, etc., with reference to conditions prevailing at Kemmangundi.

(5) The use of titaniferous ores in the furnace and information about the successful working of it in America. This is interesting as we have a deposit close to Bhadravati.

(6) The possibility of low phosphorus iron by the use of special flux and study of minerals in this connection in the Geophysical Laboratory at Washington.

(7) Modern methods of lime burning and making a success of burning of the high calcium stone so as to make it for agricultural and building purposes.

(8) Current Ropeway problems and improvements thought of with Messrs. Ropeways Ltd.

(9) Making use of low grade bauxite deposits in ferro-chrome and cement industry.

(10) Levigation processes of china clay and burning of magnesite - raw materials in connection with the proposed Paper Industry.

In this connection I beg to request that I may be given all the furlough and privilege leave I have earned in the Geological Department from 20th December 1915 to 4th October 1924. and subsequently in the Mysore Iron Works and that I may be given a suitable deputation allowance and passage money according to the deputation rules, ~~and~~ I beg to state that according to the original Government Order appointing me as probationer I should have been sent to foreign country for training. This however fell though. Again in 1916 Mr. Bocquet, Chief Inspector of Mines recommended me for a scholarship. In 1918 I was recommended by the Board of Selection. This also fell through ~~and~~ Dr. Smeeth wrote that things had not assumed normality after the war and there was no good of sending any body at that time I am now very keen on availing myself of the opportunity as I have set before myself several problems useful to the Iron Works and to the State in general and I pray that my request may be favourably considered.

Finally I pray that orders may be passed that I may be regarded as a Supernumerary Officer of the Geological Department entitled for furlough and pension rules according to Government service rules that my future promotions may be considered vacancies in that Department or in the Department of

Mines in which also I have received training.

(2) that a suitable increased allowance be given to me as a recognition of my work in the Mysore Iron Works and the recommendations of the Board may be taken in this case.

(3) that the question of my deputation may be favourably considered in view of my sincere intention to achieve results.

Thanking you,

I beg to remain,
Respected Sir,
Your most obedient servant,

Bhadravati.
23rd October 1927.

V. Venugopal
Mining Superintendent
The Mysore Iron Works.

"Copy"

Bangalore
15th September 1922.

The Dewan of Mysore,
Bangalore

Sir,

According to the recent retrenched cadre of the Geological Department, it looks as if I have no place in the Department unless an additional Sub Assistant Geologist is sanctioned. I have put in 7 years of service in the Department and the following paragraphs indicate the main points of general interest regarding my work during the period of my service.

Joined service in December 1915 and underwent the following courses of training:-

6 months in the Champion Reef Mines, in under-ground methods of drilling, timbering, haulage of ore, etc., including mine surveying and one month's night shift in blasting.

6 months in surface works, in assaying of gold, crushing of ore, stamp and tube mills, etc.

6 months in the Chemical Laboratory in qualitative and quantitative analysis:

6 months of geological survey and prospecting: and

6 months of work-shop practice and training in the Manganese Mines at Shimoga.

Confirmed in May 1918 as Sub Assistant Geologist, recommended and approved by the Selection Board for a foreign scholarship the same year. This, however, fell though as the idea of sending up a candidate for specialising in Geology was given up.

Field Season 1918. Investigation of the occurrence of Corundum, Pyrites and Graphite in the Koratagere Sub Taluk.

Found a mineral Flourspar, which has not so far been mentioned in the Records. This is of some scientific value as indicating mineralizers or hot vapours and refutes any sedimentary origin for gneisses as was thought of at one time.

Field Season 1919: Location of Earth Soda deposits in Sira, Hiriyur and Hosdurga Taluks and some work on Limestones of Marikanave region. Chemical work on a large number of these limestones.

Found Gypsum, a mineral so far not mentioned in any of the Records This is essentially a sedimentary mineral, but I have found it, in igneous formation. The pyrites in the limestone has been known to give rise to sulphuric acid which in turn converts the carbonate into a sulphate

Field Season 1920: Experimental extraction of crude Soda in company with Mr. A. M. Sen for some time and then independently. 13 tons of crude soda were produced at a cost of ₹70 per ton. Through my initiative not only this quantity, but all the stock in the office that had accumulated for the previous three or four years was sold at ₹100/- per ton I have drawn up a Note about how the industry could be developed as a rural one by the manufacture of bicarbonate of soda and caustic soda with the Mysore crude soda on a basis of about ₹100 per ton. The villagers can manufacture the crude soda and what is wanted is a market for the crude soda which can be obtained if a Central Factory offers to buy. A brief summary note by me on this subject together with some photographs have been submitted to the First Member of Council. Incidentally I might mention that I have done some photographic work for the Department, which was exhibited at the Science Congress.

Field Season 1921: Geological work in the Bhadravati-Joldhal region, where I have found limestones, siliceous iron ores and limonitic iron ores for the Iron Works. As these are matters of great interest I give them in some detail.

Gangur High Calcium Limestone, 11 miles from Bhadravati and close to the proposed tramway between Bhadravati and Joldhal.

I submit the analysis together with some analyses of Voblapur limestones for comparison.

	Gangur limestone.		Voblapur lime stone.		
	T_1 153	T_1 162			
Loss on ignition	41.25	41.44	39.1	38.76	37.68
SiO_2	5.27	5.17	8.2	9.42	10.16
Fe_2O_3	1.06	.86	1.47	1.41	1.19
Al_2O_3	.52	.73	1.14	1.99	2.51
CaO	49.38	50.06	46.8	44.51	44.94
MgO	2.15	1.67	.24	3.17	2.07
MnO.	.93	0.82	1.12	.88	.86
TiO_2	Traces	Traces	-	.07	.08

Soluble Cao in burnt lime -
Gangur 80%
Voblapur - 77%

On my request Dr. W.F. Smeeth inspected the Gangur limesone in June 1922 and took samples for testing if it could be used in Wood Distillation. I believe it could be used as flux in smelting. But Dr. Smeeth said that a dolomite was preferable. In any case, Dr. Smeeth thought that as it was advantageously situated it could be burnt and sent to Tarikere for distribution to the Planters for agricultural purposes. Certain experiments made in the laboratory seem to show that a pure white lime acetate is obtainable with the Gangur limestone, but there seem to be some difficulties in the industrial working about the residue left behind, etc. If these difficulties are surmounted, a very large saving may be effected.

Dolomites: I have come across a few dolomites which compare very favourably with the Shankargudda dolomite. The percentage regarding alumina is still pending in the Laboratory and as soon as this is available I shall be able to make definite recommendations for the inspection by Dr. Smeeth.

Iron ores: I have come across limonitic ore similar in general appearance to the Chattanhalli ore and the analyses of two samples are given below:-

	T_1 269	T_1 270
Loss on ignition.	10.35	11.14
SiO_2	3.39	3.68
Fe.	54.3	55.83
Fe_2O_3	77.63	79.82
Al_2O_3	6.56	4.05
Mn.	.25	.65
P	.043	.033

These compare very favourably with the Kumsi ores.

Lateritic iron ore: I give below the analysis of T_1 172

Loss on ignition.	12.17
SiO_2	3.41
Fe.	42.61
Al_2O_3	22.26
P.	.038
Mn.	.75
TiO_2	7

This has a fairly high percentage of iron, but the alumina is very high. I have some hopes that the quality may improve at depth for the following reasons:-

Laterites are usually residual products resulting by the removal of more soluble basis and silica, but I have come across some literature to say that the laterites may also be due to hydrothermal agency in regions of intense effusive activity. This has an economic bearing inas much as the surface laterite may extend to comparatively low depths, while the laterite due to heated waters from below may extend to large depths and the quality at depth may be expected to improve. A few trenches in this locality may prove useful.

Siliceous iron ores: I give below the analysis of a siliceous iron ore in the Bhadravati region.

	T_1 255.
Loss on ignition.	1.32
SiO_2	31.67
Fe_2O_3	66.62
Al_2O_3	.62
P_2O_5	.06

This compares very favourably with my Birur samples and Dr. Smeeth has also approved of this as a reserve.

All the subsidiary sources that I have mentioned are within a distance of 11 miles from Bhadravati and close to the proposed tramway. If any or all of these are approved in course of time there will be very large savings in the working of the Iron Mines owing to the nearness of these deposits.

Field Season 1922: I was in charge of the Birur Siliceous iron ore quarry and carried out Dr. Smeeth's instructions. It will not be possible to enumerate all the points of a technical nature in which I have taken interest, but recent events have made me to put down some concrete facts, so that I may be judged on my work.

The certificates that I have enclosed along with my application for appointment show that I was at the top of the classes and that I have had a brilliant college career. It is always my ideal to rise above mediocrity.

In conclusion, I pray that I may be kept in the Geological Department as an additional Sub Assistant Geologist, if there is no place in the present sanctioned cadre. I hope you will kindly consider my representation sympathetically.

I beg to remain, Sir,
Your most obedient servant,

Sd/ V. T. Venogopal.

"Copy"

A. P. F. VI. G1]

20/5

SUBJECT.....

.....

.....

Section Geol

File No. 70-27

Serial No. 5

No. D/3131

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

the *192*

Date of issue 16-6-28

To The Secy. to the Bd. of Managers
U.I.W.
Dhadhumuli

Signed by Mer A. V. Chary

Sir

With refce. to your letter no B6/2/27, dt 24/4/27, forwarding a representation by Mr V. T. Venugopal, Mining Supdt I am directed to state that Mr Venugopal may be informed that he is a Supernumerary Sub. Asst. Geologist & that the question of treating him as a permanent Officer of the Geological Dept. will be considered, when there is a vacancy.

His request for foreign scholarship deputation may be renewed when DD scholarships - applns are invited for DD scholarships

List of enclosures.....

Copied by .....

[Subject to approval

Examined by .....

And that the question of deputating Mr Venugopal to foreign countries for Study is reserved for separate consideration

over

I have &c

WD 0125—GP 3—30,000—26-5-27

6/6

for Dy

2 copies

A. P. F. VI. 61]

SUBJECT.....

.....

.....

Section Genl

File No. 70 - V7

Serial No. 6

No. D/3132 Genl

Diary No. of letter replied to.....

General and Revenue Secretariat

( )

the *192*

To The Dr of Genl

Date of issue 16.6.28

Sir

Signed by Mr. V. V. Jehuri, a/c

With refce to your letter no 2401-1 D 9-3-28, I am directed to forward herewith a copy of letter no 13/3/27/16/6/28 to the Secretary, Bd. of Int. M. I. W, and to add that the question of treating Mr Venugopal as a permanent officer of the Dept has to be considered when there is a suitable vacancy this point may be kept in view in making recommendations for filling up the

List of enclosures.....

Copied by .....

a

Examined by .....

suitable Vacancy when it occurs in your Dept

I have &c

over

W1D 925—GPB—80,000—26 5-27

for Secy.

78